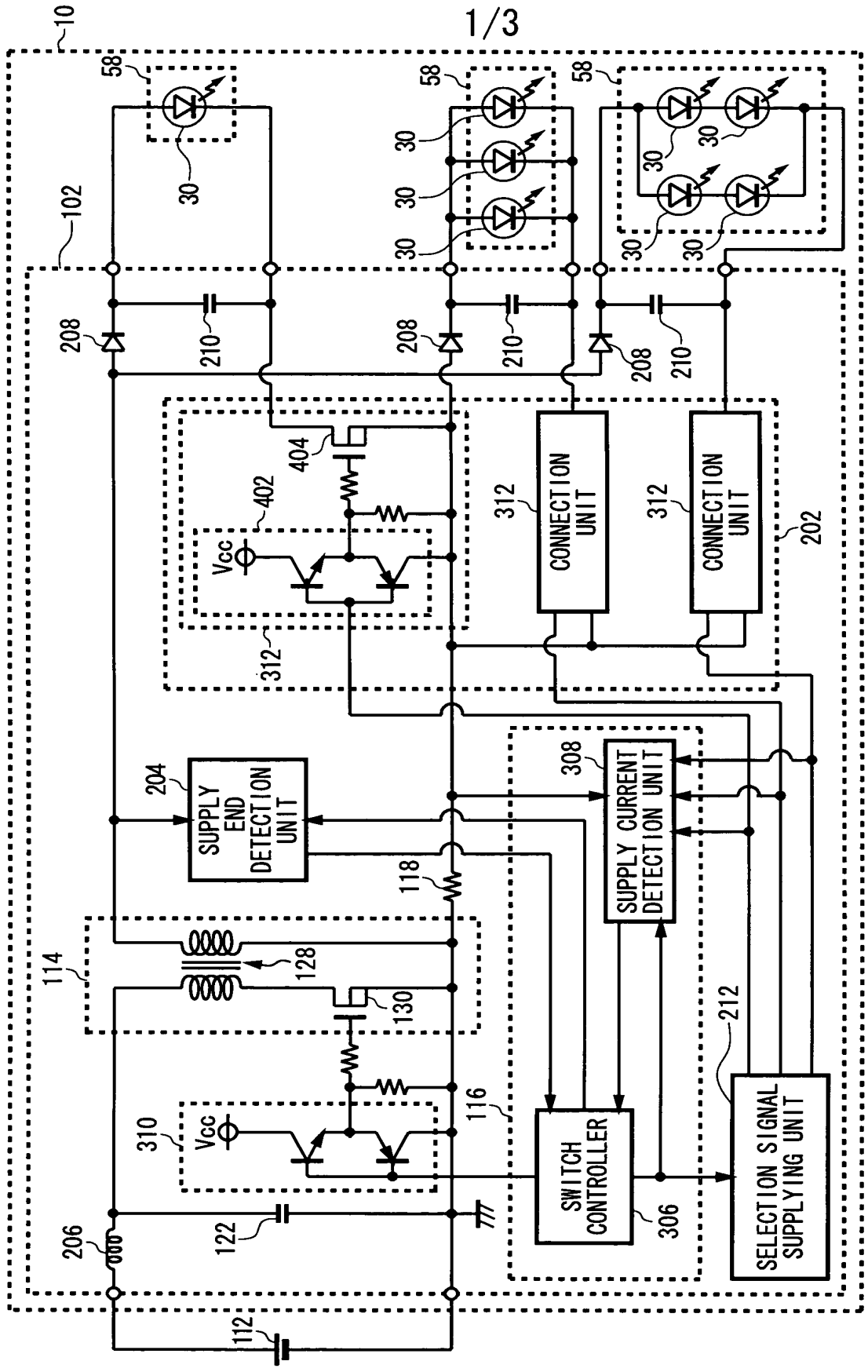
10
102
58
30
208
210
404
402
Vcc
312
CONNECTION UNIT
202
204
SUPPLY END DETECTION UNIT
308
SUPPLY CURRENT DETECTION UNIT
118
114
128
130
212
116
310
SWITCH CONTROLLER
306
SELECTION SIGNAL SUPPLYING UNIT
206
122
112

FIG. 1

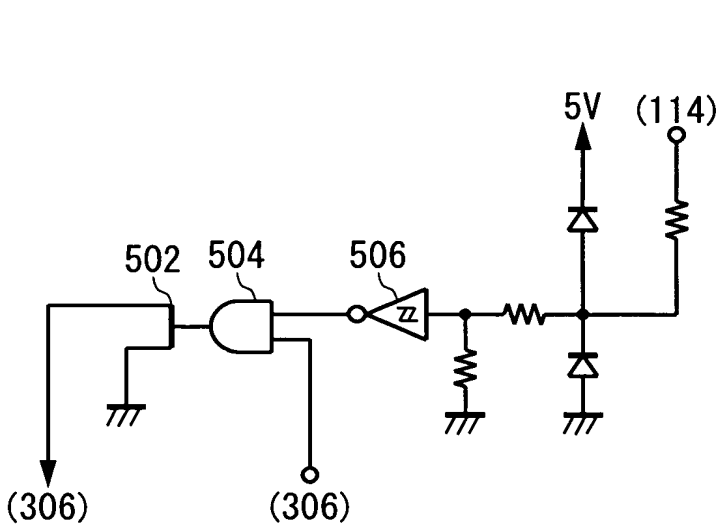
204
5V
(114)
502
504
506
(306)
(306)

FIG. 2A

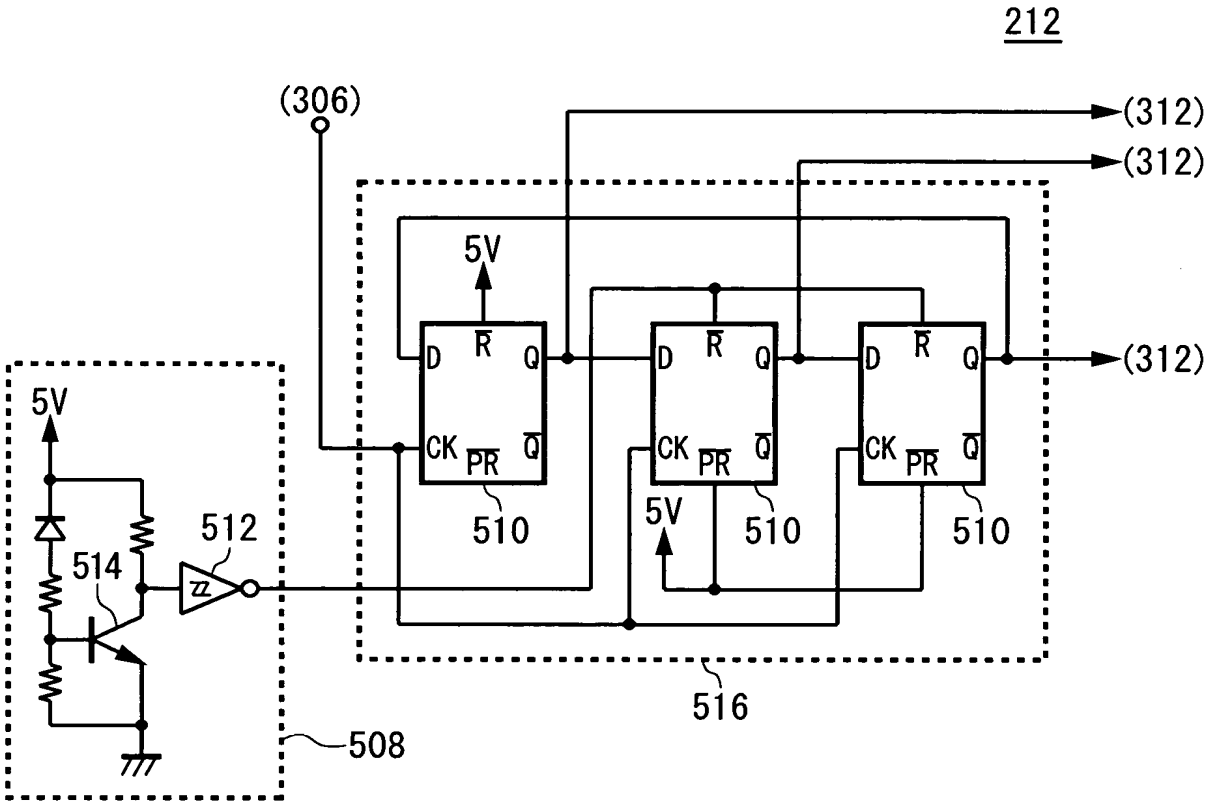
212
(306)
(312)
(312)
(312)
5V
D
R
Q
CK
PR
Q
510
510
510
5V
5V
512
514
508
516

FIG. 2B

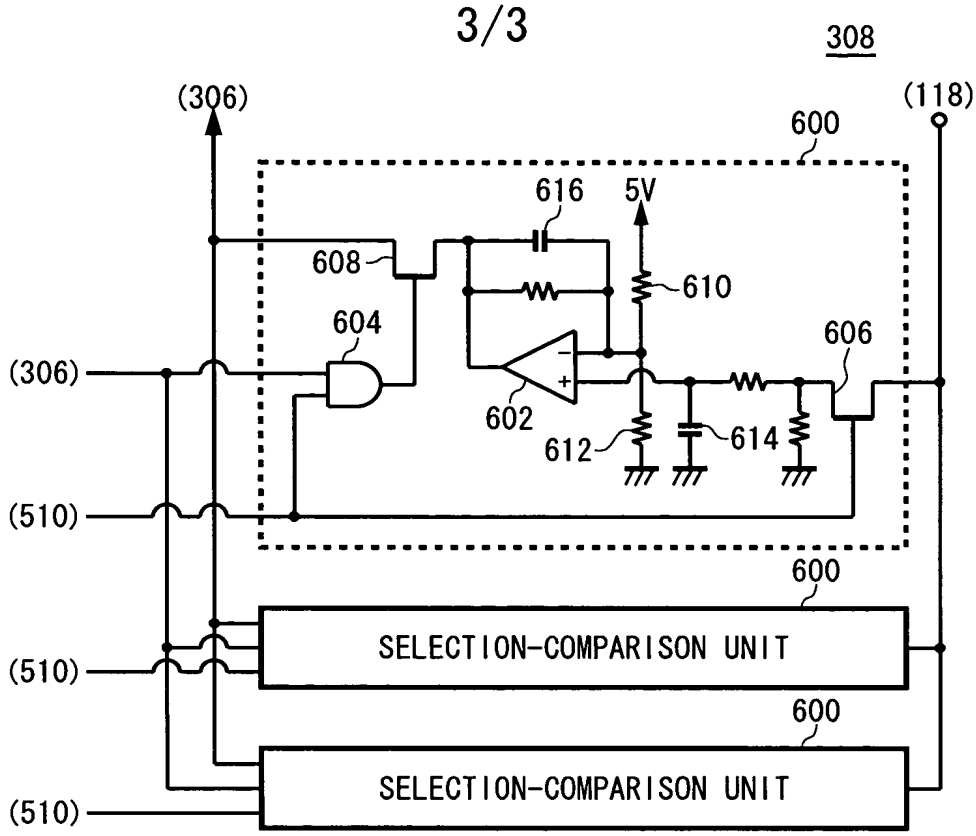
308
(306)
(118)
600
616
5V
608
610
604
606
(306)
602
612
614
(510)
600
SELECTION-COMPARISON UNIT
(510)
600
SELECTION-COMPARISON UNIT
(510)

FIG. 3A

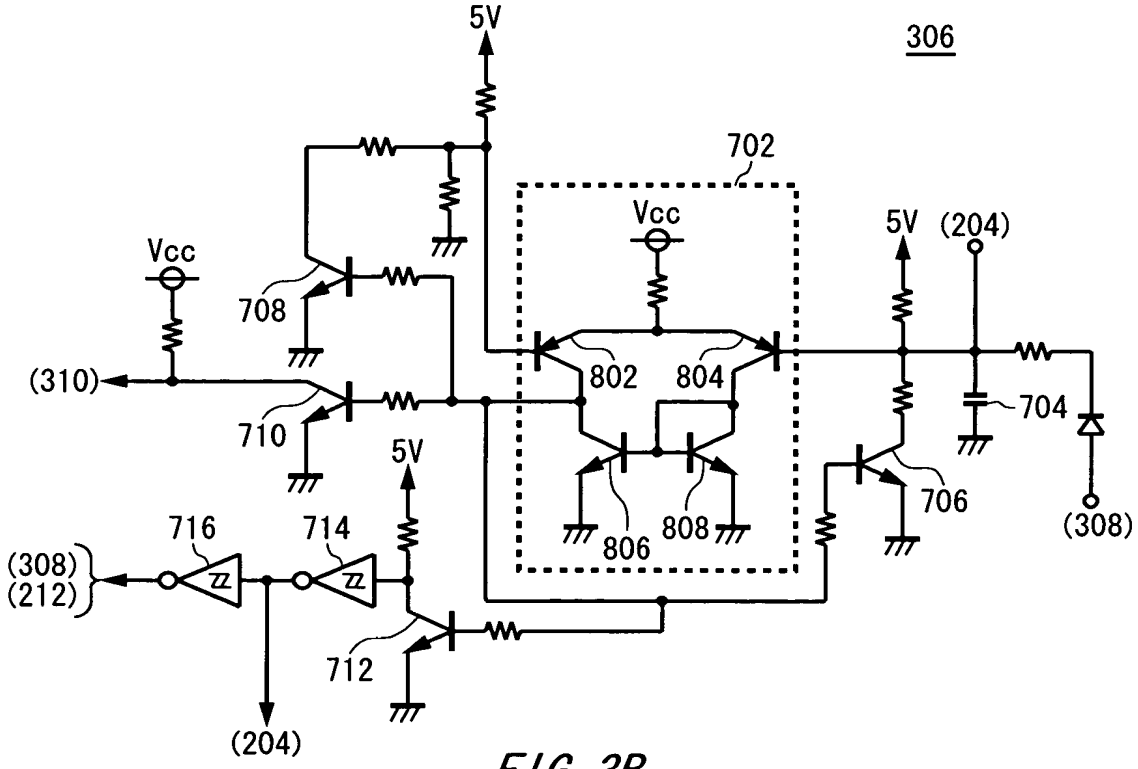
5V
306
702
Vcc
5V
(204)
Vcc
708
(310)
802
804
704
710
5V
706
716
714
806
808
(308)
(308)
(212)
712
(204)

FIG. 3B